

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1(Currently amended). A method for managing memory, ~~said method~~ comprising the steps of:

receiving an ~~single indication~~ application state from each of a plurality of applications in memory, wherein each ~~single indication provides an indication of~~ application state indicates the manifestation of user perceivable differences from a current operational state of a corresponding activated application upon the corresponding application being unloaded from the memory and reactivated for each of the plurality of applications in memory; and

determining which of the plurality of applications to effect removal from the memory based on the received ~~single~~ application states, wherein an application with an application state indicating less of said user perceivable differences relative to the user perceivable differences indicated by application states of other applications in the memory is removed from the memory before the other applications indication for each of the plurality of applications in memory.

2(Currently amended). The method of claim 1, wherein ~~the step said~~ receiving an single indication of application state from each of the plurality of applications in memory includes receiving one of ~~an indication of~~ a stateless state indicating no significant ones of said

user perceivable differences, ~~an indication of~~ a stateful state with a state record indicating no significant ones of said user perceivable differences, and ~~an indication of~~ a stateful state with no state record indicating said user perceivable differences.

3(Currently amended). The method of claim 2, wherein ~~the step of~~ said receiving an ~~indication of~~ a stateless state includes receiving ~~an indication of~~ a state that indicates a user would perceive no significant difference between a presentation associated with one of the plurality of applications before and after removal from the memory and reloading to the memory.

4(Currently amended). The method of claim 2, wherein ~~the step of~~ said receiving an ~~indication of~~ a stateful state with a state record includes receiving ~~an indication of~~ a state that indicates a user would perceive no significant difference between a presentation associated with one of the plurality of applications before and after removal from the memory and reloading to the memory because the state is saved in the state record.

5(Currently amended). The method of claim 4, further including ~~the steps of~~ effecting the removal of the application with a stateful state with a state record and saving the state record.

6(Original). The method of claim 5, further including, responsive to a user activating the removed application, restoring the removed application with the saved state record.

7(Currently amended). The method of claim 2, wherein ~~the step of~~ said receiving an ~~indication~~ of a stateful state with no state record includes receiving ~~an indication~~ of a state that indicates a user would perceive a difference between a presentation associated with one of the plurality of applications before and after removal from the memory and reloading to the memory.

8(Currently amended). The method of claim 7, wherein ~~the step of~~ said receiving an ~~indication~~ of a stateful state with no state record includes receiving unload information, wherein the unload information includes at least one of an unload information explanation and unload information choices.

9(Currently amended). The method of claim ~~[[1]]~~ 2, wherein ~~the step of~~ said determining which of the plurality of applications to effect removal includes ~~the steps of~~ determining that an application with a stateless state is removed before an application with a stateful state with a state record, and that an application with a stateful state with a state record is removed before an application with a stateful state with no state record.

10(Currently amended). The method of claim ~~[[1]]~~ 2, further including ~~the steps of~~ effecting the removal of an application with a stateless state before the removal of an application with a stateful state with a state record, and effecting the removal of an application with a stateful state with a state record before the removal of an application with a stateful state with no state record.

11(Currently amended). The method of claim ~~[[1]]~~ 2, further including ~~the step of~~ providing an explanation to a user when an application to be removed from the memory includes a stateful state with no state record, wherein the explanation informs the user the result of removing the application.

12(Currently amended). A method for managing memory, ~~said method comprising the steps of:~~

receiving an indication that memory space is needed in memory;

receiving an ~~single indication~~ application state from each of a plurality of applications in memory, wherein each ~~single indication provides an indication of~~ application state indicates the manifestation of user perceivable differences from a current operational state of a corresponding activated application upon the corresponding application being unloaded from the memory and reactivated for each of the plurality of applications in memory and, wherein the step of ~~said~~ receiving an ~~indication of~~ application state includes receiving at least one of an ~~indication of a stateless state indicating no significant ones of said user perceivable differences, an indication of a stateful state with a state record indicating no significant ones of said user perceivable differences, and an indication of a stateful state with no state record indicating said user perceivable differences;~~

determining which of the plurality of applications to effect removal from the memory based on the received application state ~~single indication~~ for each of the plurality of applications in memory, wherein ~~said the step of~~ determining includes ~~the steps of~~ determining that an application with a stateless state is removed before an application with a stateful state with a state record, and that an

application with a stateful state with a state record is removed before an application with a stateful state with no state record; and

effecting the removal of an application with a stateless state before the removal of an application with a stateful state with a state record, and effecting the removal of an application with a stateful state with a state record before the removal of an application with a stateful state with no state record.

13 -17(Canceled).

18(Currently amended). A system for managing memory, said system comprising:

a memory with logic; and

a processor configured with the logic to:

receive an single-indication application state from each of a plurality of applications in memory, wherein each ~~single-indication~~ provides an indication of application state indicates the manifestation of user perceivable differences from a current operational state of a corresponding activated application upon the corresponding application being unloaded from the memory and reactivated ~~for each of the plurality of applications in memory; and~~

determine which of the plurality of applications to effect removal from the memory based on the received application states, wherein an application with an application state indicating less of said user perceivable differences relative to the user perceivable differences indicated by application states of other applications in the memory is removed from the memory

before the other applications ~~single indication for each of the plurality of applications in~~
memory.

19(Currently amended). The system of claim 18, wherein ~~an indication of said~~
application state includes ~~an indication of~~ one of a stateless state indicating no significant ones of
said user perceivable differences, a stateful state with a state record indicating no significant ones
of said user perceivable differences, and a stateful state with no state record indicating said user
perceivable differences.

20(Original). The system of claim 19, wherein the stateless state includes a state where a
user would perceive no significant difference between a presentation associated with one of the
plurality of applications before removal from the memory and after reloading to the memory.

21(Original). The system of claim 19, wherein the stateful state with a state record
includes a state where a user would perceive no significant difference between a presentation
associated with one of the plurality of applications before removal from the memory and after
reloading to the memory because the state is saved in the state record.

22(Original). The system of claim 21, wherein the processor is further configured with
the logic to effect the removal of the application with a stateful state with a state record and save
the state record.

23(Original). The system of claim 22, wherein the processor is further configured with the logic to, responsive to a user activating the removed application, restore the removed application with the saved state record.

24(Original). The system of claim 19, wherein the stateful state with no state record includes a state where a user would perceive a difference between a presentation associated with one of the plurality of applications before removal from the memory and after reloading to the memory.

25(Original). The system of claim 24, wherein the processor is further configured with the logic to provide unload information, wherein the unload information includes at least one of an unload information explanation and unload information choices.

26(Currently amended). The system of claim 18, wherein the processor is further configured with the logic to determine that an application with a stateless state is removed before an application with a stateful state with a state record, and that an application with a stateful state with a state record is removed before an application with a stateful state with no state record.

27(Original). The system of claim 18, wherein the processor is further configured with the logic to effect the removal of an application with a stateless state before the removal of an application with a stateful state with a state record, wherein the processor is further configured

with the logic to effect the removal of an application with a stateful state with a state record before the removal of an application with a stateful state with no state record.

28(Original). The system of claim 18, wherein the processor is further configured with the logic to provide an explanation to a user when an application to be removed from the memory includes a stateful state with no state record, wherein the explanation informs the user the result of removing the application.